



OeAW - Discovering the future

As a central non-university institution for science and research, the **Austrian Academy of Sciences - OeAW** has the task of "**promoting science in every respect**". Founded in 1847 as a learned society, it now has over 760 members and around 1,800 employees dedicated to innovative basic research, interdisciplinary knowledge exchange and the dissemination of new insights. The OeAW initiates and maintains partnerships worldwide and represents Austria in international scientific organizations; it cooperates with numerous institutions in the scientific field in order to actively **shape the research landscape**.



Praedoc (Diss) (f/m/x) in the Advanced Quantum Simulation with Cavity QED Project Group

Job ID: IQOQIIBK114DOC226

The Institute for Quantum Optics and Quantum Information Innsbruck (IQOQI-IBK) of the Austrian Academy of Sciences (OeAW), Austria`s leading non-university research and science

institution, dedicates its work to theoretical and experimental basic research in the areas of quantum science. IQOQI is pleased to invite applications for a position as

Praedoc (Diss) (f/m/x) in the Advanced Quantum Simulation with Cavity QED Project Group

(part-time, 30h per week)

in the IQOQI Research Group “Advanced Quantum Simulation with Cavity QED” for the project „QuantSimcQED“ led by Senior Postdoc Farokh Mivehvar.

Your Tasks

- Theoretical research in many-body open quantum systems in collaboration with the PI and other team members
- Writing high impact scientific journal articles based on research findings
- Attendance of conferences and workshops

Your Profile

- M.Sc. in physics or related fields
- Strong background in quantum mechanics, quantum optics, cavity QED and open quantum systems, atomic and molecular physics, condensed-matter physics, and/or many-body analytical and numerical techniques
- Ability to think, plan, and conduct research independently, as well as to work and cooperate with other Group members and external collaborators
- Proficiency in English (both spoken and written)
- Strong social skills

Our Offer

- A position in an innovative and internationally active environment for cutting-edge research in quantum science

- Opportunity to work independently and develop personally
- Collaborations with international partners, including both theoretical and experimental colleagues

The minimum annual gross salary for this position is EUR 53.140,92 (full-time based), in accordance with the collective agreement of the Austrian Academy of Sciences (ÖAW). For part-time employment, the salary will be adjusted on a pro rata basis in line with the agreed working hours.

APPLY NOW

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.

Contact

Amba Mark | personal-iqoqiibk@oeaw.ac.at
IQOQIIBK | 6020 Innsbruck, Austria
Österreichische Akademie der Wissenschaften | Austrian
Academy of Sciences | <https://www.oeaw.ac.at/>

